

CLAIMS

I claim:

1. A method for sharing an application, the method comprising:  
determining a position and a size of a non-OpenGL region of a shared  
5 application window by monitoring function calls made by the application;  
determining a position and a size of an OpenGL region of a shared  
application window by monitoring OpenGL function calls made by the  
application; and  
capturing a screen shot of an image corresponding to the non-OpenGL  
10 and the OpenGL regions of the shared application window;  
wherein the position and the size of the non-OpenGL region and the  
position and the size of the OpenGL region define a position and a size of the  
shared application window.
- 15 2. The method of Claim 1 further comprising:  
transmitting the position and the size of the shared application window  
to a viewer.
3. The method of Claim 1 further comprising:  
20 transmitting the screen shot to a viewer.
4. The method of Claim 1 further comprising:  
determining a position and a size of a non-shared application window by  
monitoring function calls made by the non-shared application; and

if the non-shared application window overlaps the shared application window, determining a position and a size of an overlapping region.

5. The method of Claim 4 further comprising:

transmitting the overlapping region to a viewer.

6. The method of Claim 1 further comprising:

determining whether the position or the size of the shared application window has changed by monitoring function calls made by the shared application; and

if the position or the size of the shared application window has changed, determining a new position and/or a new size of the shared application window.

7. The method of Claim 1 further comprising:

periodically capturing the image corresponding to the shared application window.

8. The method of Claim 7 further comprising:

periodically transmitting the captured image to the viewer.

9. A computer-readable storage medium storing a computer program executable by a computer, the computer program comprising computer instructions for:

determining a position and a size of a non-OpenGL region of a shared application window by monitoring function calls made by the application;

determining a position and a size of an OpenGL region of a shared application window by monitoring OpenGL function calls made by the application; and

capturing a screen shot of an image corresponding to the non-OpenGL and the OpenGL regions of the shared application window;

wherein the position and the size of the non-OpenGL region and the position and the size of the OpenGL region define a position and a size of the shared application window.

10. The computer readable storage medium of Claim 9 further comprising computer instructions for:

transmitting the position and the size the shared application window to a viewer.

11. The computer readable storage medium of Claim 9 further comprising computer instructions for:

transmitting the screen shot to a viewer.

12. The computer readable storage medium of Claim 9 further comprising computer instructions for:

determining a position and a size of a non-shared application window by monitoring function calls made by the non-shared application; and  
if the non-shared application window overlaps the shared application window, determining a position and a size of an overlapping region.

13. The computer readable storage medium of Claim 12 further comprising computer instructions for:

transmitting the overlapping region to a viewer.

5 14. The computer readable storage medium of Claim 9 further comprising computer instructions for:

determining whether the position or the size of the shared application window has changed by monitoring function calls made by the shared application; and

10 if the position or the size of the shared application window has changed, determining a new position and/or a new size of the shared application window.

15 15. The computer readable storage medium of Claim 9 further comprising computer instructions for:

periodically capturing the image corresponding to the shared application window.

16. The computer readable storage medium of Claim 15 further comprising computer instructions for:

20 periodically transmitting the captured image to the viewer.

17. A data conferencing system comprising:

a presenter computer connected to one or more server computers via a global area network;

a viewer computer connected to the one or more server computers via the global area computer network; and

a computer program executable by the presenter computer, wherein the computer program comprises computer instructions for:

5                   determining a position and a size of a non-OpenGL region of a shared application window by monitoring function calls made by the application;

10                   determining a position and a size of an OpenGL region of a shared application window by monitoring OpenGL function calls made by the application; and

15                   capturing a screen shot of an image corresponding to the non-OpenGL and the OpenGL regions of the shared application window;

                  wherein the position and the size of the non-OpenGL region and the position and the size of the OpenGL region define a position and a size of the shared application window.

18.   The data conferencing system of Claim 17 further comprising computer instructions for:

20                   transmitting the position and the size of the shared application window to a viewer computer.

19.   The data conferencing system of Claim 17 further comprising computer instructions for:

25                   transmitting the screen shot to the viewer computer.

20. The data conferencing system of Claim 17 further comprising computer instructions for:

determining a position and a size of a non-shared application window by monitoring function calls made by the non-shared application; and

5 if the non-shared application window overlaps the shared application window, determining a position and a size of an overlapping region.

21. The data conferencing system of Claim 20 further comprising computer instructions for:

10 transmitting the overlapping region to a viewer.

22. The data conferencing system of Claim 17 further comprising computer instructions for:

15 determining whether the position or the size of the shared application window has changed by monitoring function calls made by the shared application; and  
if the position or the size of the shared application window has changed, determining a new position and/or a new size of the shared application window.

23. The data conferencing system of Claim 17 further comprising computer instructions for:

periodically capturing the image corresponding to the shared application window.

24. The data conferencing system of Claim 23 further comprising computer instructions for:

periodically transmitting the captured image to the viewer computer.

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